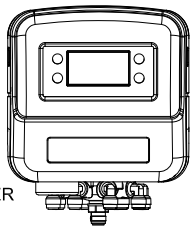


**LEGEND:**

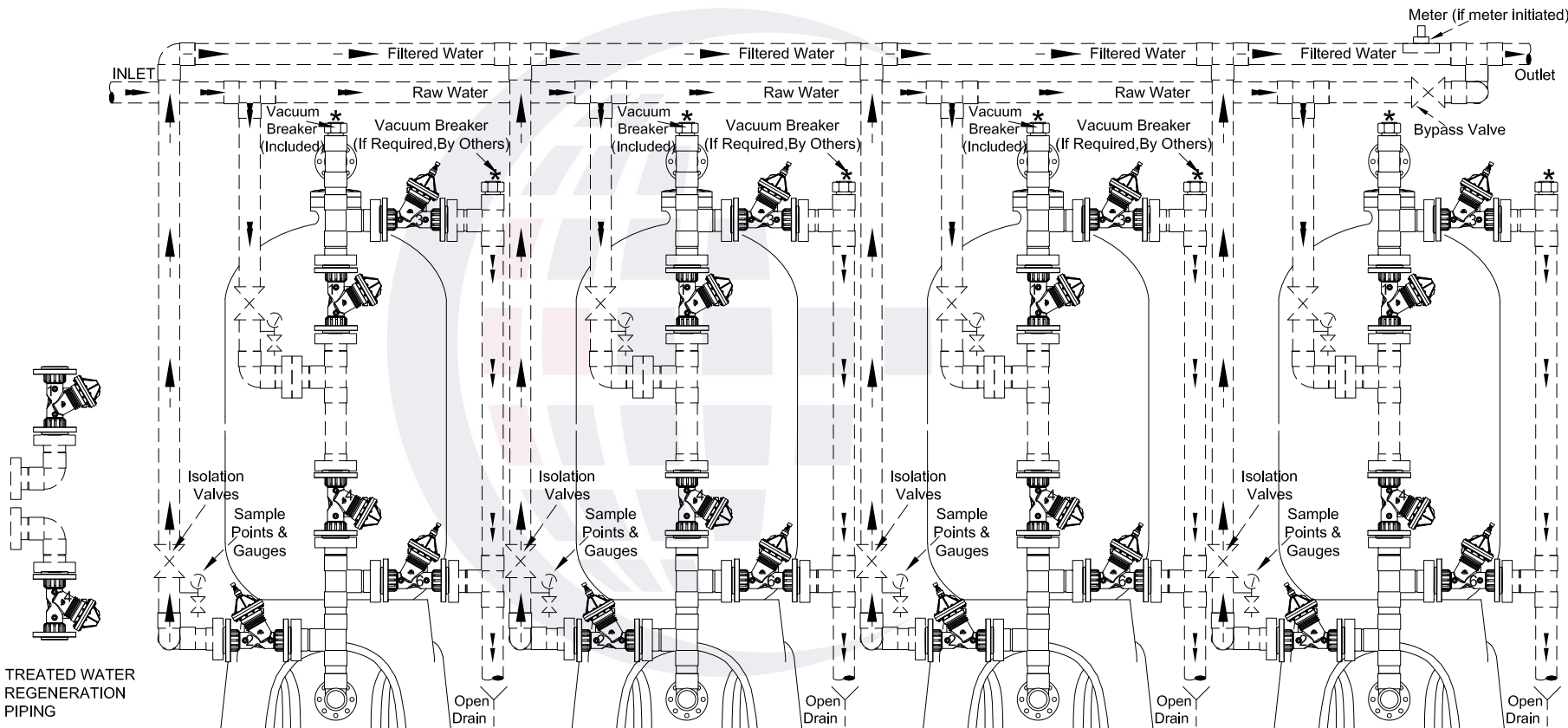
- ⊗ ISOLATION VALVE
- ⊗ BYPASS VALVE
- ⊗ PRESSURE GAUGE & SAMPLE POINT
- ∨ OPEN DRAIN
- \* VACUUM BREAKER
- ▶ RAW WATER LINES
- ▶ FILTERED WATER LINES
- ▶ WATER TO OPEN DRAIN
- ▶ TREATED WATER LINES

STAGER  
CONTROLLER



DNX Series Quadplex Model	Typical Peak RO				Max Flow To Drain	Pipe Size		Media	Mineral Tank		Installation			Shipping Weight	Operating Weight
	Max Recommended Flow Rate					USGPM	Service	Drain	Per Tank	Diameter	Height	Height	Depth		
	USGPM	USGPM	USGPM	USGPM	in		in	ft3	in	in	in	in	in	in	
	l/s	l/s	l/s	l/s	mm	mm	m3	mm	mm	mm	mm	mm	mm		
DNX 30- 2"	320	292	156	60	2"	2"	12.5	30	88	99	36	135	5,381	11,781	
	20.19	18.42	9.84	3.79	50	50	0.35	762	2235	2515	914	3429	2,441	5,345	
DNX 36- 3"	276	420	228	85	2"	2"	17.6	36	87	100	42	159	7,336	16,536	
	17.41	26.50	14.38	5.36	50	50	0.50	914	2210	2540	1067	4039	3,329	7,503	
DNX 42- 3"	384	576	308	120	3"	3"	24.0	42	95	108	48	183	10,143	23,743	
	24.23	36.34	19.43	7.57	75	50	0.68	1067	2413	2743	1219	4648	4,602	10,773	
DNX 48- 4"	504	752	400	160	3"	3"	31.0	48	94	109	54	207	13,155	30,355	
	31.80	47.44	25.24	10.09	75	75	0.88	1219	2388	2769	1372	5258	5,968	13,772	

Typical service based on 10 usgpm/ft2 Peak based on 15 usgpm/ft2 Flowrates may change depending upon actual feed water quality conditions  
Backwash flowrates based on cold water. If regeneration feed water is above 45 of, the backwash flow rate will have to be increased



**RAW WATER REGENERATION PIPING SHOWN**

**NOTES:**

- MAXIMUM RECOMMENDED SYSTEM PRESSURE IS 100 PSIG (690 kPa).
- MAXIMUM RECOMMENDED SYSTEM TEMPERATURE IS 90° F (32°C).
- TANKS, AND MEDIA ARE NSF APPROVED. TRIPOD TANKS TO BE SECURELY ATTACHED TO THE FLOOR.
- ALL PIPING, FITTINGS, INTERCONNECTING PIPING, ISOLATION & SAMPLE VALVES AND GAUGES SHOWN BY BROKEN LINES ARE BY OTHERS
- SUPPLIED MANIFOLD IS SCH 80 PVC AND IS SUPPLIED WITH ONE VACUUM BREAKER. RECOMMENDED AIR RELEASE VALVE IS BY OTHERS. SYSTEM CAN BE PIPED AS RAW WATER OR TREATED WATER REGENERATION.
- ALL PIPING MUST BE PROPERLY SUPPORTED AND BRACE TO HANDLE THE THRUST OF THE CHANGE OF WATER FLOW (BY OTHERS)
- GLASS FIBER REINFORCED THERMOPLASTIC DIAPHRAGM VALVES ARE SEQUENCED BY AN ELECTRONIC MULTIPORT STAGER. ELECTRICAL POWER REQUIRED - 120 VOLT, 1 PHASE, 60 HZ. MULTI-TANK SYSTEMS ARE SERIES REGENERATION.

- SYSTEM MUST BE INSTALLED TO COMPLY WITH ALL FEDERAL, STATE, PROVINCIAL AND LOCAL CODES.
- FLOOR DRAINS MUST BE SIZED TO CARRY THE MAXIMUM LISTED FLOW TO DRAIN.
- REFER TO THE INSTALLATION AND OPERATION MANUAL FOR FURTHER DETAILS.
- MEDIA BED CONSISTS OF NSF APPROVED, NEXTSAND ON A GRADED SUPPORT BED

**DNX SERIES NEXTSAND  
QUADRAPLEX FILTER SYSTEM**

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Project:	Date: 2/20/024	Rev
	Dwg# DNX 04	0